

IN THE CLAIMS:

*Please amend claims 16 and 26 as shown in the following complete listing:*

Claims **1–12**: (canceled)

**13.** (previously presented) An adduct comprising  $\text{MgCl}_2$ , ethanol and a Lewis base (LB) different from water, said adduct further comprising a fusion enthalpy lower than 100 J/g, and formula  $\text{MgCl}_2 \cdot (\text{EtOH})_n (\text{LB})_p$ , wherein n is from 2 to 6 and p is  $0 < p/(n+p) \leq 0.1$ .

**14.** (previously presented) The adduct according to claim **13**, wherein p is  $0 < p/(n+p) \leq 0.0125$ .

**15.** (previously presented) The adduct according to claim **13**, wherein the Lewis base is selected from ethers, esters, compounds of formula  $\text{RX}_m$ , and combinations thereof, wherein R is a hydrocarbon group comprising from 1 to 20 carbon atoms; X is  $-\text{NH}_2$ ,  $-\text{NHR}$  or  $-\text{OH}$ ; and m is 1 or higher.

**16.** (currently amended) The adduct of claim **15**, wherein  $\text{RX}_m$  is selected from the group consisting of methanol, propanol, isopropanol, n-butanol, sec-butanol, tert-butanol, pentanol, 2-methyl-1-pentanol, 2-ethyl-1-hexanol, phenol, 4-methyl-1-phenol, 2,6-dimethyl-1-phenol, cyclohexanol, cyclopentanol, ~~ethylen glycol, propylen glycol, 4-butanediol,~~ ethylene glycol, propylene glycol, 1,4-butanediol, glycerine, mannitol, polyvinyl-alcohol, acetonitrile, ~~ethylenediammine, 3-picoline, triethanolammine, triethylammine, and diisopropylammine~~ ethylenediamine, 3-picoline, triethanolamine, triethylamine, and diisopropylamine.

**17.** (canceled)

**18.** (previously presented) A catalyst component for polymerizing at least one olefin comprising a product of a reaction between a transition metal compound and the adduct according to claim **13**.

**19.** (previously presented) The catalyst component according to claim **18**, wherein the transition metal compound is selected from at least one titanium compound comprising formula  $Ti(OR)_nX_{y-n}$ , wherein n is between 0 and y; y is a valence of titanium; X is halogen; and R is an alkyl radical comprising 1-8 carbon atoms, or COR, wherein R is a hydrocarbon group comprising from 1 to 20 carbon atoms.

**20.** (previously presented) The catalyst component according to claim **19**, wherein the titanium compound is selected from  $TiCl_3$ ,  $TiCl_4$ ,  $Ti(OBu)_4$ ,  $Ti(OBu)Cl_3$ ,  $Ti(OBu)_2Cl_2$ , and  $Ti(OBu)_3Cl$ .

**21.** (previously presented) The catalyst component according to claim **18**, wherein the reaction between the transition metal compound and the adduct is carried out in presence of an electron donor compound.

**22.** (previously presented) The catalyst component according to claim **21**, wherein the electron donor is selected from esters, ethers, amines, and ketones.

**23.** (previously presented) A catalyst for polymerizing at least one olefin comprising a product of a reaction between the catalyst component according to claim **19**, and an aluminum alkyl compound.

**24.** (previously presented) A process for polymerizing at least one olefin of formula  $CH_2=CHR$ , wherein R is hydrogen or a hydrocarbon radical comprising 1-12 carbon atoms, carried out in presence of the catalyst according to claim **23**.

25. (previously presented) An adduct comprising  $\text{MgCl}_2$ , ethanol and a Lewis base (LB) different from water, said adduct further comprising formula  $\text{MgCl}_2 \cdot (\text{EtOH})_n (\text{LB})_p$ , wherein n is from 2 to 6 and p is  $0 < p/(n+p) \leq 0.0125$ .

26. (currently amended) An adduct comprising  $\text{MgCl}_2$ , ethanol and a Lewis base (LB) different from water, said adduct further comprising formula  $\text{MgCl}_2 \cdot (\text{EtOH})_n (\text{LB})_p$ , wherein n is from 2 to 6 and p is  $0 < p/(n+p) \leq 0.1$   ~~$p/(n+p) \leq 0.1$~~ , and said Lewis base is selected from the group consisting of methanol, propanol, isopropanol, n-butanol, sec-butanol, tert-butanol, pentanol, 2-methyl-1-pentanol, 2-ethyl-1-hexanol, phenol, 4-methyl-1-phenol, 2,6-dimethyl-1-phenol, cyclohexanol, cyclopentanol, ~~ethylen glycol, propylen glycol, 4-butanediol,~~ ethylene glycol, propylene glycol, 1,4-butanediol, glycerine, mannitol, polyvinyl-alcohol, acetonitrile, ~~ethylenediammine, 3-picoline, triethanolammine, triethylammine, and diisopropylammine~~ ethylenediamine, 3-picoline, triethanolamine, triethylamine, and diisopropylamine.